ENDLESS POOLS®
FITNESS SYSTEMS

SwimCross™ Exercise Systems

by Endless Pools®

INSTALLATION INSTRUCTIONS

ELECTRICAL REQUIRMENTS

IMPORTANT: Fill the **SWIMCROSS** Exercise System with water before turning on the power.

Your **ENDLESS POOLS SWIMCROSS** Exercise System has been carefully designed to give you maximum safety against electrical shock. Connecting the **SWIMCROSS** Exercise System to an improperly wired circuit will negate many of the **SWIMCROSS** Exercise System's safety features. Improper wiring may also cause electrocution, risk of fire, and other risks of injuries. Please read and follow the electrical installation requirements and instructions completely!

220 - 240 VOLT PERMANENTLY CONNECTED

ENDLESS POOLS SWIMCROSS Exercise Systems must be wired in accordance with all applicable National and Local Electrical Codes. All electrical work should be done by an experienced, licensed electrician. We recommend the use of appropriate electrical conduit, fittings, and wire for all circuits.

The diagram below illustrates how to wire the SWIMCROSS Exercise System model:

- The **SWIMCROSS** Exercise System requires an electrical service using a 32 amp breaker.
- The **SWIMCROSS** Exercise System can also run on a 24 Amp electrical service however, you will NOT be able to run all three jet pumps on high speed at the same time.
- One main disconnect switch with at least 3 mm separation between contacts must be used for all electrical circuits.
- Mount the subpanel in the vicinity of the **SWIMCROSS** Exercise System, but not closer than 1.5 m (5 feet) away. Your **SWIMCROSS** Exercise System, must be supplied by a residual current device (RCD) - with a tripping rating not exceeding 30 mA in an electrical subpanel.
- Open **SWIMCROSS** Exercise System by removing the 4 screws holding the vertical T-spacer located in the center of the equipment compartment (back side of **SWIMCROSS** Exercise System). Slide panel towards center and remove, repeat for other panel.
- Insert power wires into **SWIMCROSS** Exercise System from either side towards the bottom, you will find a plastic cap attached to wall.
- Once your **SWIMCROSS** Exercise System has been filled with water, turn it on and test all of the circuit breakers.

IMPORTANT: If breaker immediately trips, verify that the wires are correctly connected. Breaker should be tested prior to each use. Here's how:

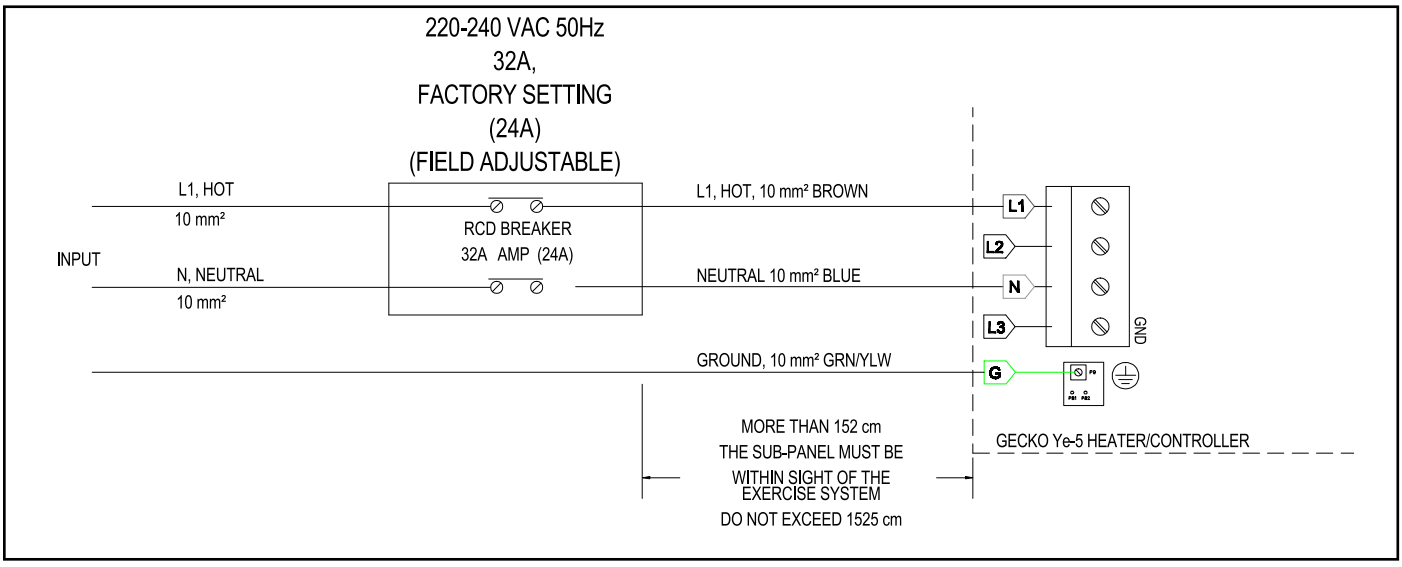
1. Push the "TEST" button on each breaker - residual current device (RCD), and observe it click OFF.
2. Wait 30 seconds, then push the breaker switch to the OFF (down) position (to ensure that it has completely disengaged), then push the breaker switch to the ON (up) position. If you don't wait 30 seconds, the **SWIMCROSS** Exercise System's power indicator may continue to blink – try again.

If any of the RCD breakers fails to operate in this manner, your **SWIMCROSS** Exercise System may have an electrical malfunction, and you may be at risk of electrical shock. Turn off all circuits and do not use the **SWIMCROSS** Exercise System until the problem has been corrected by an authorized service agent.

⚠**WARNING:** Removing, or bypassing any RCD breaker will result in an unsafe **SWIMCROSS** Exercise System and will void the warranty.

IMPORTANT: If you ever need to move or relocate your **ENDLESS POOLS SWIMCROSS** Exercise System, it is essential that you understand and apply these installation requirements. Your **ENDLESS POOLS SWIMCROSS** Exercise System has been carefully engineered to provide maximum safety against electric shock. Remember, connecting the **SWIMCROSS** Exercise System to an improperly wired circuit will negate many of its safety features.

NOTE: Long wiring runs may require larger-gauge wire than stated.



IMPORTANT: Using a 24A service will require a system modification, see Electrical Configuration on page 14 on how to change the system settings.

SITE REQUIREMENTS

Your **SWIMCROSS** Exercise System must be installed on a smooth and level surface that can support the dead weight listed in the back of this manual.

If a new slab is poured, consult your local electrical codes regarding grounding and bonding. Local code may require a bonding wire to be attached to the reinforcing bar or wire mesh that is embedded in the concrete. If new concrete is being poured, this is the ideal time to install the conduit for the incoming electrical supply.

Even if a new pad has been poured, it is essential that the system site is level and planar. There is a simple way to ensure that this is the case. First, draw a chalk outline of the footprint of your **SWIMCROSS** Exercise System. Place a 2 m (6 foot) level along and around the footprint of the system. Verify that there are no gaps between the level and floor. Next pour water inside of the chalk footprint. Verify that the water does not puddle inside the footprint.

Should there a be a gap or should the water puddle inside the footprint, call your **Endless Pools** dealer prior to continuing to discuss the best way to resolve this situation.

INDOOR CONSIDERATIONS

1. Local electrical and plumbing codes.
2. Ventilation fans and/or dehumidifiers should be provided to handle the humidity developed by your **SWIMCROSS** Exercise System. Walls, ceiling and wood trim should be water resistant, also.
3. Chemicals will vaporize from the water and may cause an odor and possibly corrosion to certain home hardware. Never store chemicals inside the **SWIMCROSS** Exercise System cabinet.
4. During the normal use of the **SWIMCROSS** Exercise System, water will escape the vessel. Never place on or over any materials, which may be damaged by this water or the chemicals within the water. Keep damageable materials far enough away to avoid water damage, even if the **SWIMCROSS** Exercise System should lose all its water.
5. Consider and prepare for the unlikely event of rapid drainage. If placement of the **SWIMCROSS** Exercise System is permanent, you may wish to provide floor drains to accommodate draining, etc. Always leave room all around the **SWIMCROSS** Exercise System for easy access in case repairs are necessary.
6. Consider and prepare for the unlikely event of removal.
7. Do not set **SWIMCROSS** Exercise System on finished floor without a waterproof barrier protection underneath.
8. The **SWIMCROSS** Exercise System should have access to a power source capable of supplying 220-240 volts AC power. It must be wired directly into a grounded circuit with an RCD. No other appliances should be on the same circuit.
9. The **SWIMCROSS** Exercise System should be close to a source of water.
10. Be sure that the location you choose is stable. It must be able to support the weight of the **SWIMCROSS** Exercise System when it is filled with water, plus the weight of the occupants. The **SWIMCROSS** Exercise System may weigh up to 8,280 kg (18,220 lbs) when it is filled with water.
11. Do not use the **SWIMCROSS** Exercise System above a finished living area due to the risk of water damage.
12. The **SWIMCROSS** Exercise System is not designed for in-floor installation. However, it is compatible with a deck system that is built flush with the bar top, provided you leave access for service.
13. Be sure to note any other considerations, such as aesthetics or privacy concerns that may affect the safety or enjoyment of using the **SWIMCROSS** Exercise System.

OUTDOOR CONSIDERATIONS

1. Local electrical and plumbing codes.
2. Consider local codes pertaining to fencing, enclosures, walls, electrical and plumbing. You will need to ensure that your **SWIMCROSS** Exercise System is an adequate distance from power lines, both above ground and underground. Your **SWIMCROSS** Exercise System will also need to be child proofed.
3. View from house for aesthetics and supervisory needs.
4. Distance from house for wintertime soaking.
5. Nighttime lighting.
6. Consider sunlight exposure, views, access, property lines, lighting, wind direction, shielding, septic tanks, plants, and trees when determining your location. Chemicals in the **SWIMCROSS** Exercise System water may splash damaging nearby plant life.
7. If your **SWIMCROSS** Exercise System is to be located on a second story, be positive support is adequate. Call your builder and a structural engineer.
8. Area for placement of support equipment where adequate space will be needed to gain access to components for maintenance and general servicing.
9. Be sure to note any other considerations, such as aesthetics or privacy concerns that may affect the safety or enjoyment of using the **SWIMCROSS** Exercise System.
10. Provide adequate drainage away from the equipment and adequate elevation to allow draining by siphon, if should be required.
11. Location of electrical supply. 220-240 volt systems require hard wire installed from the main electrical source, to the sub panel, then to the **SWIMCROSS** Exercise System terminal block. All equipment must be RCD protected (NOT SUPPLIED) All electrical wiring must comply with the national electric code.
12. Locations at least 1.5 m (5 feet) from all metal surfaces. A **SWIMCROSS** Exercise System may be installed within 1.5 m (5 feet) of metals surfaces providing each metal surface is permanently connected by a 10 mm^2 copper conductor attached to the bonding wire connector on the heater provided for this purpose. All installations must comply with your national electric codes.
13. Place the **SWIMCROSS** Exercise System on a firm, level surface that will not shift.

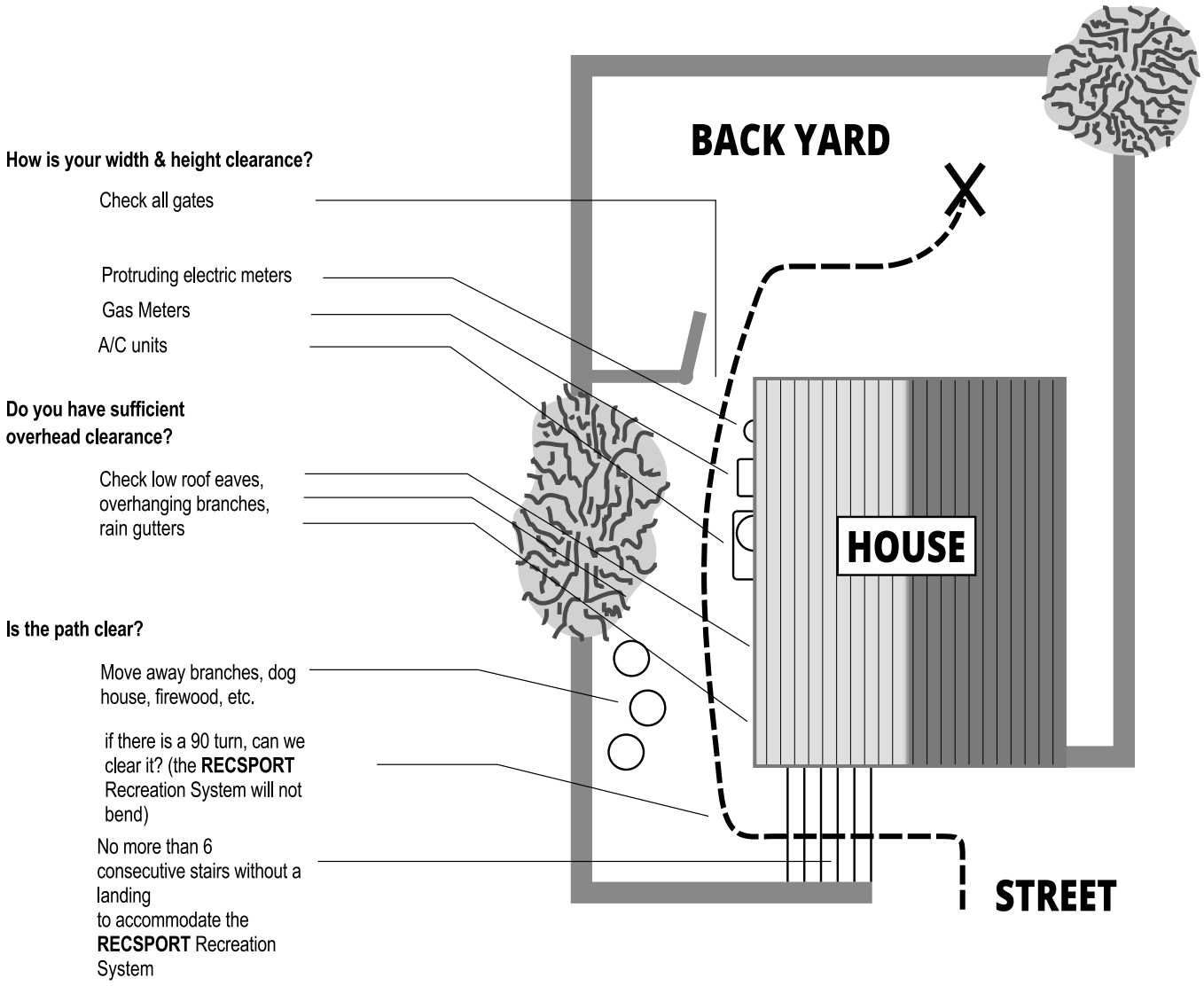
DECK INSTALLATION

To be certain your deck can support your system you must know the deck's maximum load capacity. **Consult a qualified building contractor or structural engineer before you place the system on an elevated deck.** To find the weight of your system, its contents and occupants, refer to the System Specification chart. This weight per square meter must not exceed the structure's rated capacity, or serious structural damage could result.

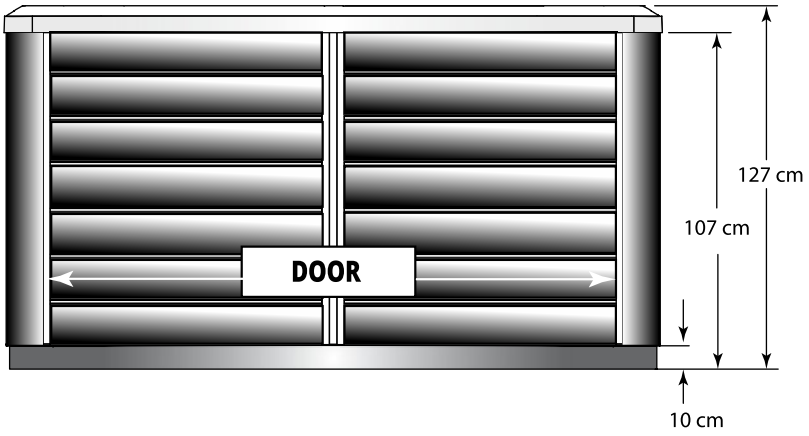
DELIVERY ACCESS

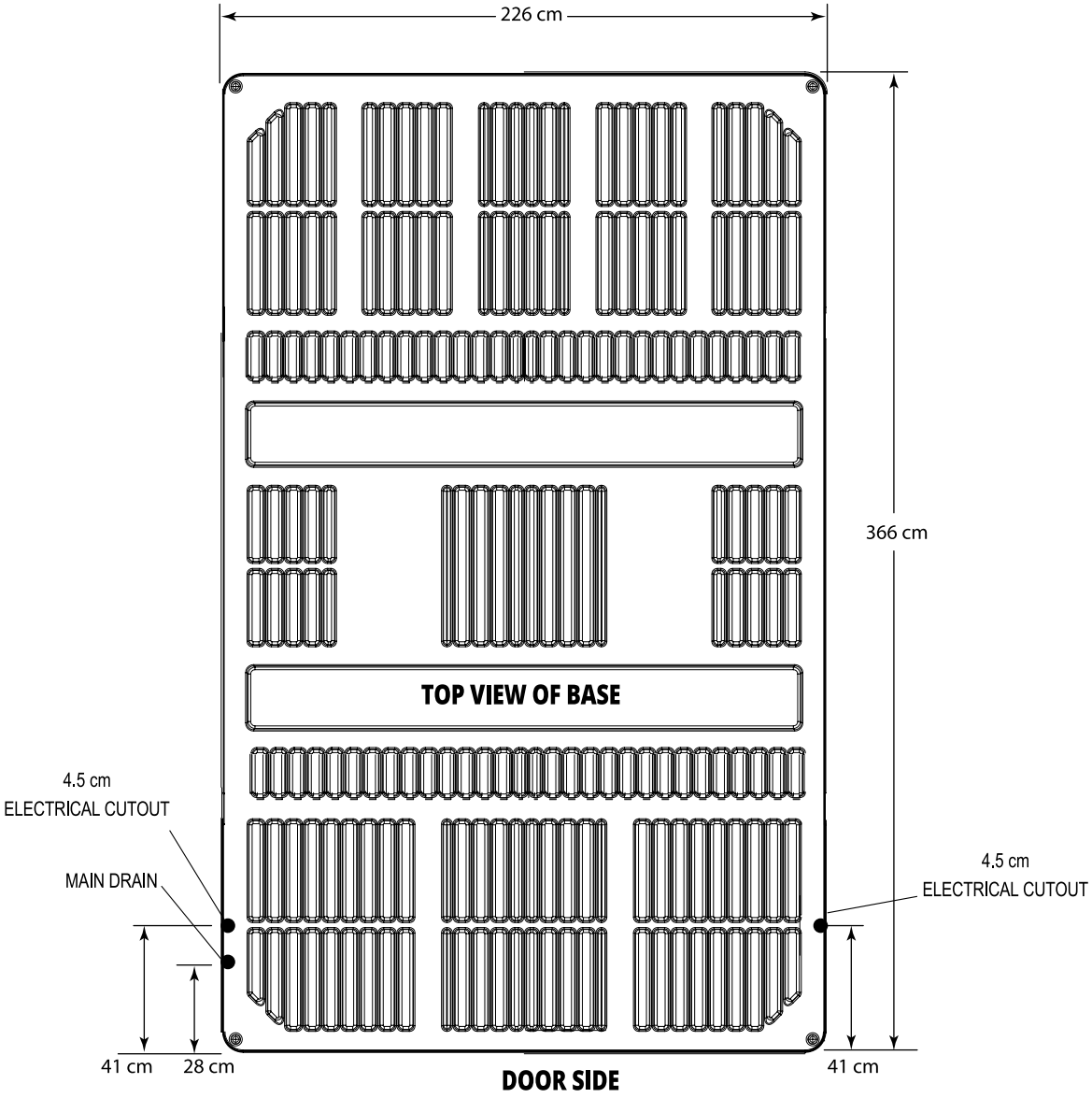
It may be necessary to remove a gate, part of a fence, or other movable obstructions in order to move the system to its installation site. Your system will determine what equipment is necessary to move your system to its final location. A roll back truck with a tilt bed is a good option if your site can be accessed by an across road vehicle. When a small reach is needed for the final placement of your system, a boom truck is ideal. A telehandler vehicle can off load, traverse property and place your system in a more challenging situation or terrain. When access to your site is limited a crane may be used to lift your system over obstructions for precise placement.

The **SWIMCROSS** Exercise System delivery personnel will supervise the crane delivery and complete the syst em installation. **NOTE: I**f your system delivery requires the use of a crane, you may be required to pay for its services at the completion of the delivery.



X200 MODEL





NOTE: ENDLESS POOLS requires that the X200 Model be installed on a minimum 15 cm (6") thick reinforced concrete pad or structurally sound deck able to support the "dead weight" found in the specification chart on the back page.

WARNING: The X200 Model must not be shimmed in any manner.